

Message

From: Lisa Rector [lrector@nescaum.org]
Sent: 9/23/2020 2:27:04 PM
To: Johnson, Steffan [johnson.steffan@epa.gov]
Subject: FYI

Stef, I am still looking for the original email, but I found a snippet in an email I wrote to Rafael back in 2016.

One of the other questions I have about the testing from RISE is that I cannot determine if they did any modifications to the electronic controls during different test runs. Do you know where in the test report I would find that data? Note that some boilers require physical changes, but more recently pellet boilers from multiple manufacturers can modulate heat outputs by changing configurations in the electronic controls. In the field these configurations would not be changed day to day to address load. It is my understanding that once installed, the electronic configuration remains the same.

"MESys has three basic boilers. They are marketed as "the 20," "the 32," and "the 56." However, since we, and you, are very interested in right-sizing boilers, they are also field adjustable to have different output levels. the 20 can be a 12 or a 15; the 32 can be a 25 or a 32; and the 56 can be a 36, 48 or 56. Field adjustment entails plugging, or unplugging, heat exchanger tubes and instructing the electronic control unit about configuration, and, therefore, output ranges. It is common for our boilers, and boilers throughout Europe, to be reconfigured after a period of operation after installation for lower output levels in the field to ensure the desired long runtimes."



Lisa Rector, Policy and Program Director at **NESCAUM**

89 South Street, Suite 602, Boston, Massachusetts, 02111 | 802.899.5306 | 617.259.2095 | Fax: 617.742.9162
| lrector@nescaum.org